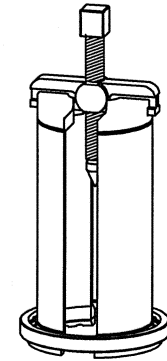
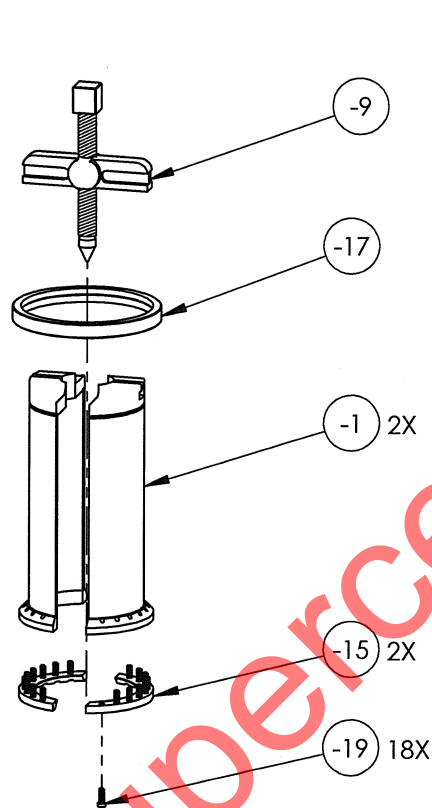


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/4/2016	RJC	JAG
B	19-574	ITEM -5 WAS 9X M5-6H IS 9X M5X.8-6H: ITEM -11 WAS 4XR.22 IS RADIUS REMOVED: ITEM -7 WAS 5XR.16 IS 5X R.06: ITEM -13 WAS 12X .03X45° IS 8X .03X45°	2/12/2019	PK	PK



UNDER REVIEW
URF 19-874 19-08-27 (VM)

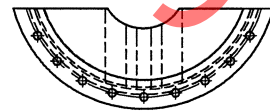
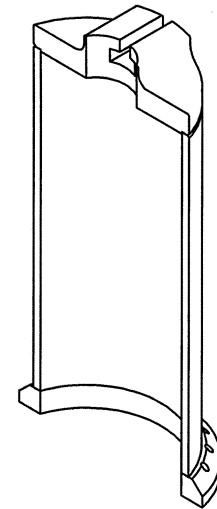
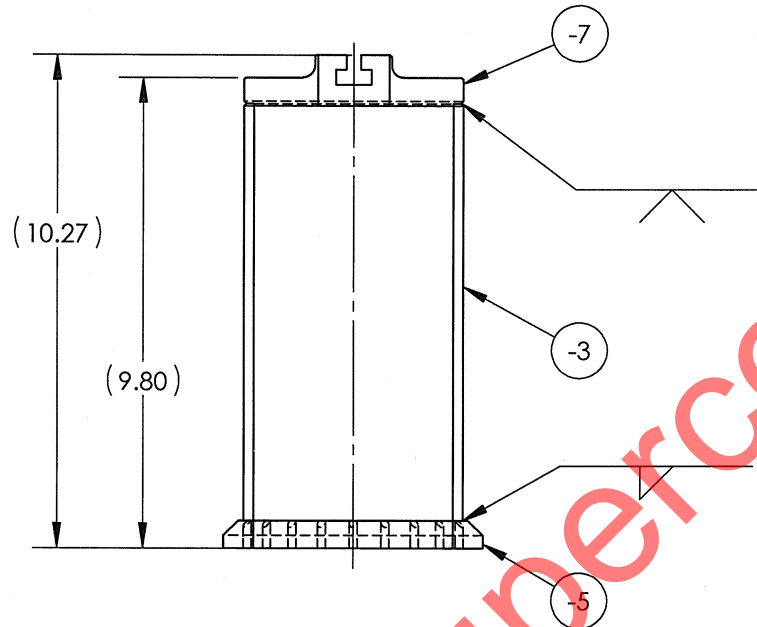
NOTE:
REF. EUROCOPTER T/N: 105-14181W4

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	2	SHELL WELDMENT			2
	1		-3		SHELL	6061		3
	1		-5		SHELL BASE	6061		4
	1		-7			6061		5
X			-9	1	EXTRACTOR			6
1			-11		PULLER	4140		9
1			-13		BOLT	4140		10
			-15	1	BASE	O-1		7
			-17	1	CLAMPING RING	4140		8
		B/O	-19	18	SOCKET HEAD CP SCREW	STEEL	M5X.8 X 16mm (MCMaster-CARR #93070A125)	1
ASSY -9	ASSY -1							

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4	
REV B	
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: PK	EC145
SCALE 1:8	DATE 12/14/2015
SHEET 1 OF 10	

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(-1)

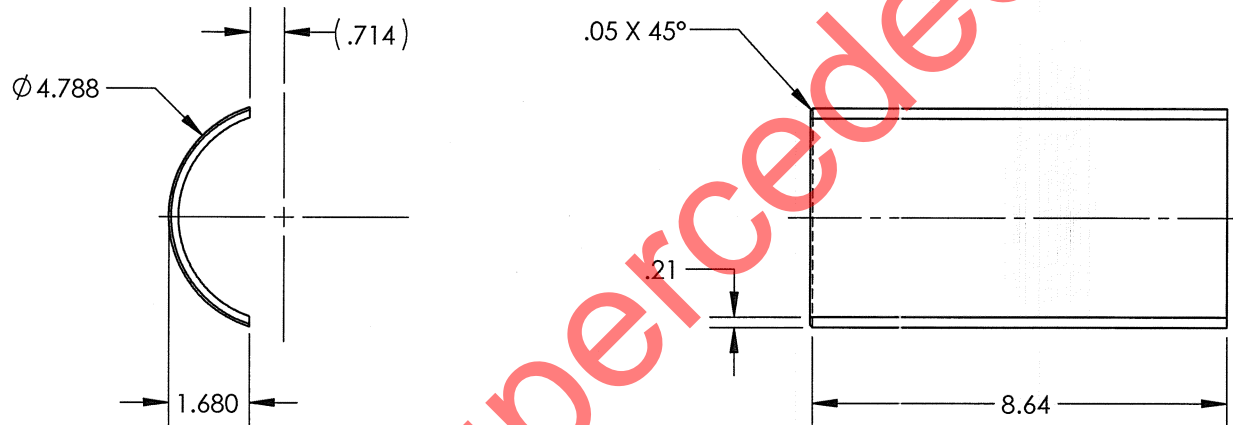
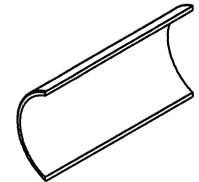
SHELL WELDMENT

UNDER REVIEW
URF 19-874 19-08-27 (VM)

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-1	REV B
MAT'L UNLESS OTHERWISE SPECIFIED	DIMENSIONS ARE IN INCHES
HEAT TREAT .XXX ± .005 FRACTIONS ± 1/8	.XX ± .01 ANGLES ±.5°
FINISH CLEAR ANODIZE	.X ± .1 SURFACES = 125/
SPEC MIL-A-8625, TYPE II, CLASS I	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	EC145
APPROVED: PK	
SCALE 1:4	DATE 12/24/2015
SHEET 2 OF 10	

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REV	ECR	DESCRIPTION			



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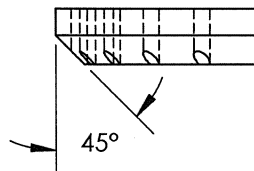
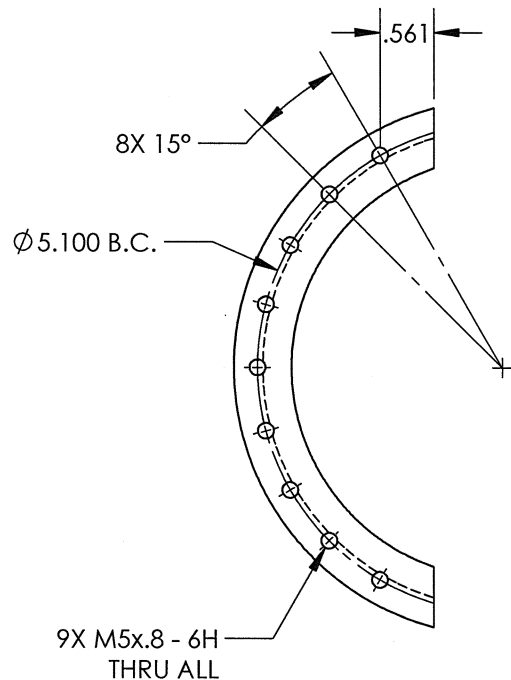
UNDER REVIEW
URF 19-874 19-08-27 (VM)

(-3)
SHELL

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-3	REV B
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	XXX \pm .005 FRACTIONS \pm 1/8
SPEC	XX \pm .01 ANGLES \pm .5°
	X \pm .1 SURFACES = 125/
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 X 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: PK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:4	USED ON MODEL
DATE 12/24/2015	EC145
SHEET 3 OF 10	

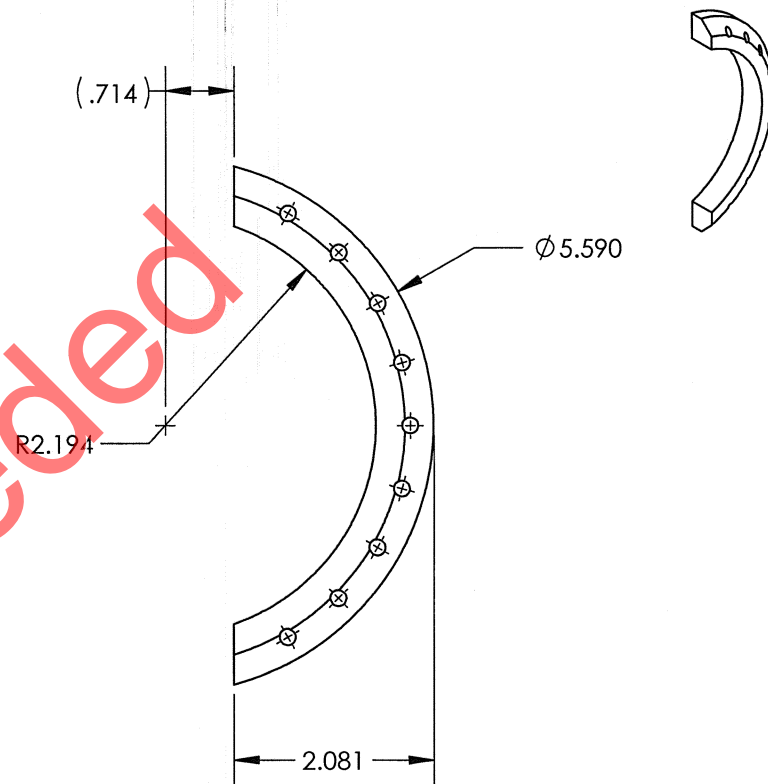
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REV	ECR	DESCRIPTION			



(-5)

SHELL BASE

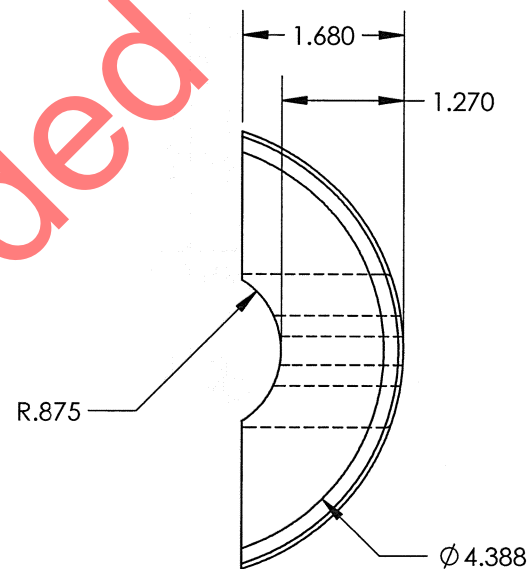
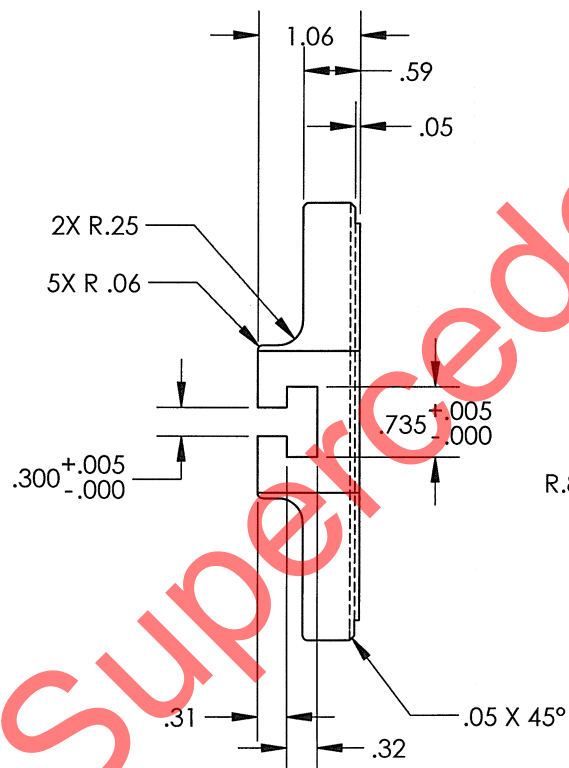
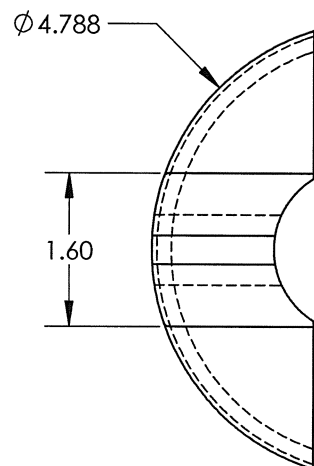


UNDER REVIEW
URF 19-874 19-08-27 (VM)

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-5	REV B
MAT'L 6061 HEAT TREAT FINISH SEE -1 WELDMENT SPEC DRAWN BY: CLOUGH CHECKED: DUERFELDT OPFS APPR: ANDERSON QA APPR: LINDSAY APPROVED: PK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL EC145	
SCALE 1:2	DATE 12/24/2015
SHEET 4 OF 10	

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			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED



Superseded

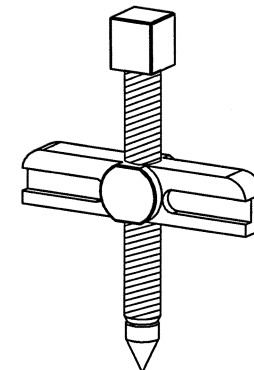
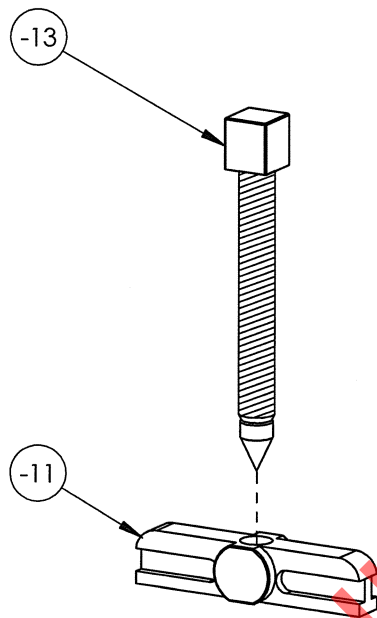
UNDER REVIEW
URF 19-874 19-08-27 (VM)

(-7)

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-7	REV B
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: PK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	USED ON MODEL
DATE 12/24/2015	EC145
SHEET 5 OF 10	

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			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED



Superseded

UNDER REVIEW
URF 19-874 19-08-27 (VM)

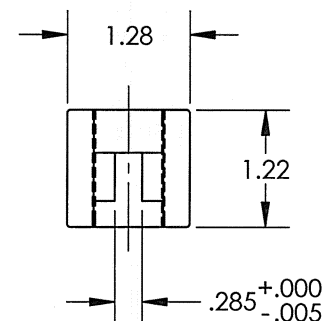
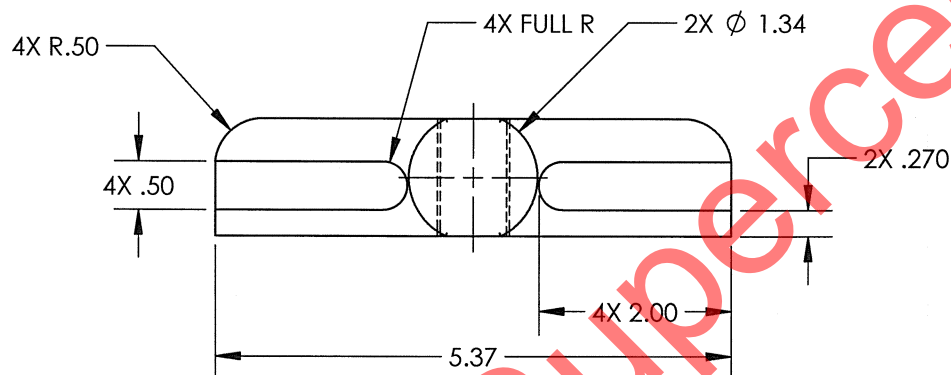
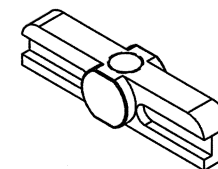
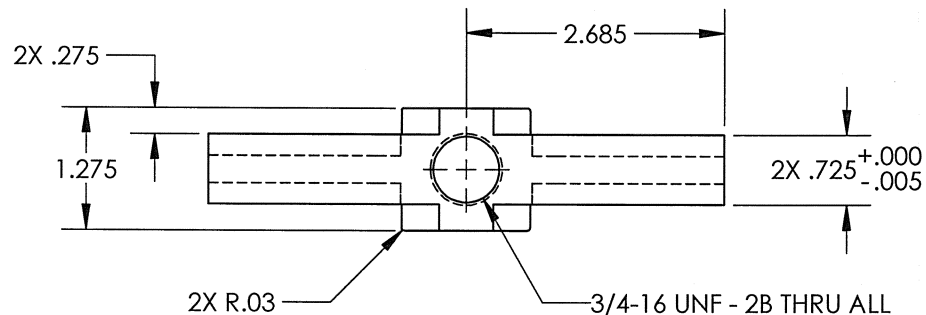
-9

EXTRACTOR

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-9	REV B
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: PK	EC145
SCALE 1:4	DATE 12/24/2015
SHEET 6 OF 10	

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REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED



Superseded

UNDER REVIEW
URF 19-874 19-08-27 (VM)

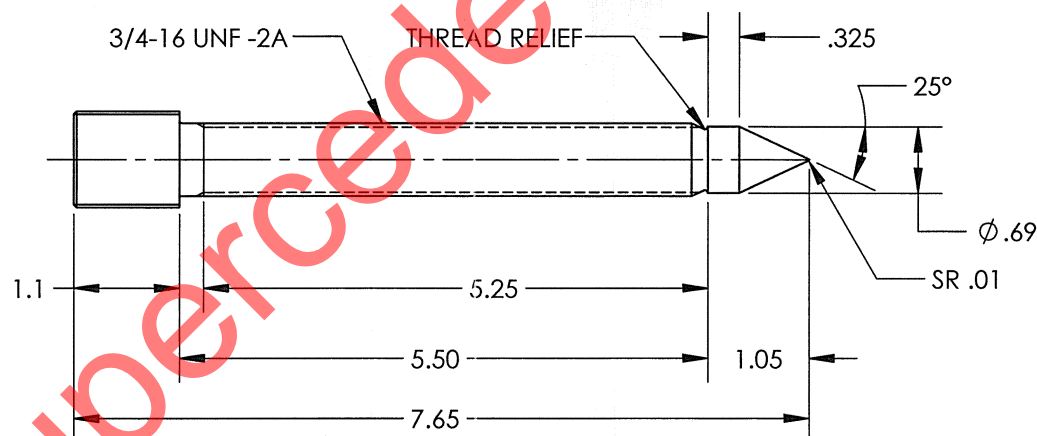
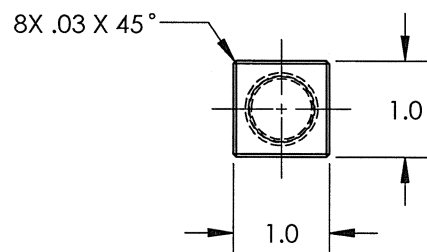
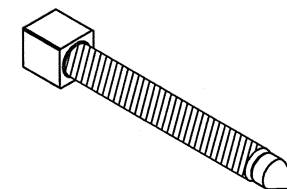
(11)

PULLER

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-11	REV B
MAT'L 4140	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± 5°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125/√
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: PK	EC145
SCALE 1:2	DATE 12/24/2015
SHEET 7 OF 10	

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REVISEMENTS			DATE	INITIAL	APPROVED
REV	ECR	DESCRIPTION			



UNDER REVIEW
URF 19-874 19-08-27 (VM)

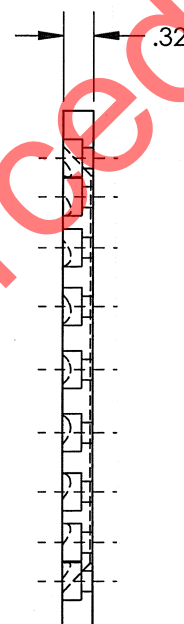
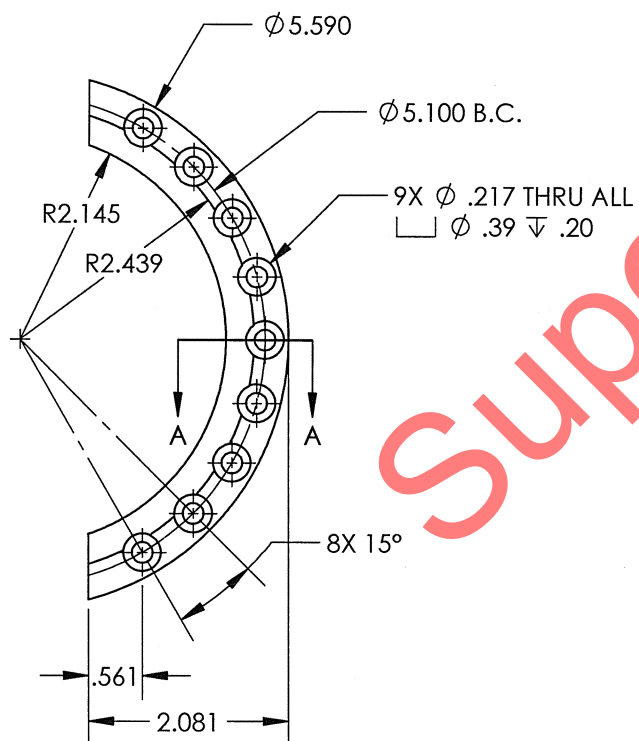
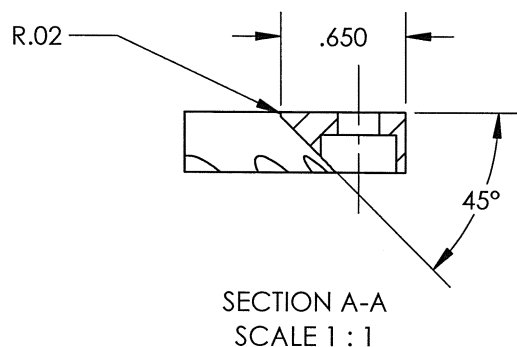
(-13)

BOLT

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-13	REV B
MAT'L 4140	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± 5°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: PK	EC145
SCALE 1:2	DATE 12/24/2015
SHEET 8 OF 10	

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



UNDER REVIEW
URF 19-874 19-08-27 (VM)

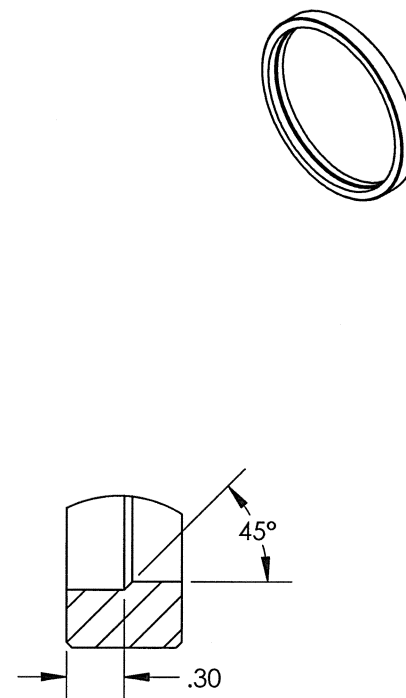
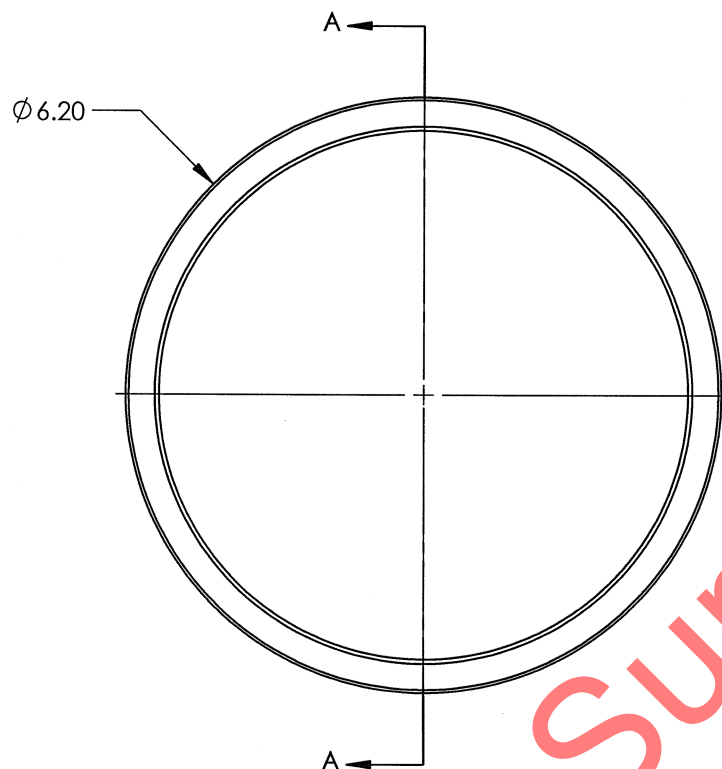
(-15)

BASE

DART AEROSPACE	
TITLE EXTRACTOR	
DWG NO. RBE105-14181W4-15	REV B
MAT'L O-1 HEAT TREAT RC 45-50 FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125/	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL
CHECKED: DUERFELDT	EC145
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: PK	
SCALE 1:2	DATE 12/24/2015 SHEET 9 OF 10

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



DETAIL B
SCALE 1 : 1

SECTION A-A

UNDER REVIEW
URF 19-874 19-08-27 (VM)

(-17)

CLAMPING RING



TITLE		EXTRACTOR	
DWG NO.		RBE105-14181W4-17	REV B
MAT'L 4140	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8		
FINISH ZINC PLATE	.XX ± .01 ANGLES ± .5°		
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125/√		
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
QA APPR: LINDSAY	USED ON MODEL		
APPROVED: PK	EC145		
SCALE 1:2	DATE 12/24/2015	SHEET 10 OF 10	